

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of HONG et al.

Application No. not known
Div. of 09/157,397

Group Art Unit: Unknown

Filed: February 23, 2000

Examiner: Unknown

For: DNA Polymerase Having Ability to Reduce Innate Selective Discrimination . . .
Dideoxynucleotides

* * * * *

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner of Patents
And Trademarks
Washington, D.C. 20231

Sir:

Attached is Form PTO-1449 listing documents. Copies of all the have already been submitted in parent application 09/157,397, and consequently no further copies are believed necessary to submit.

This Information Disclosure Statement is being filed before applicants have received a first Office Action on the merits.

This Information Disclosure Statement is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is earnestly solicited, along with additional time under Rule 97(f), to enable applicants to comply fully.



Consideration of the foregoing and enclosures plus the return of a copy of the herewith
Form PTO-1449 with the Examiner's initials in the left column per MPEP 609 are earnestly
solicited.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Marlana K. Titus".

Marlana K. Titus
Reg. No. 35,843
Tel. No. (301) 924-9600

Nash & Titus, LLC
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Brookeville, MD 20833

INFORMATION DISCLOSURE STATEMENT

Applicant: HONG, et al.

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U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	SubClass	Filing Date (if appropriate)
	AR	5,747,298	05/1998	HONG et al.			
	BR	5,614,365	03/1997	TABOR et al.			
	CR						
	DR						
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FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name	Class	SubClass	English Abstract		Translation Readily Available	
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	OR	96/38568	12/1996	WO	DAVIS			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

WR	Joyce, et al., "Function and Structure Relationships in DNA Polymerases", Annu. Rev. Biochem. 1994, Vol. 63, Pages 777-822.			
XR	Mead et al., "Bst DNA Polymerase Permits Rapid Sequence Analysis from Nanogram Amounts of Template", Research Report, BioTechniques, Vol. 11, No. 1 (1991), pp. 76-84			
YR	McClary, et al., "Sequencing with the large fragment . . . stearothermophilus", DNA Sequence-J. DNA Sequencing and Mapping, Vol. 1, (1991) pp. 173-180			
ABR	Epicentre Technologies, "What's New in this Catalog?" DNA Polymerase (. . . fragment), 1994/95 Products for Molecular & Cellular Biology, p.1.			
ACR	Jacobsen et al., "The N-Terminal Amino-Acid Sequences of DNA Polymerase I from Escherichia coli and of the Large and the Small Fragments Obtained by a Limited Proteolysis", Eur. J. Biochem. 45 (1974), pp. 623-627			
ADR	John Wiley & Sons, Inc., Current Protocols in Molecular Biology, DNA Sequencing, Vol. 1, 1994, pp. 7.4.31-7.4.33			

Examiner

Date Considered:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP '609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Atty.	M#	Client Ref.
Dkt. No.	Lee 109	
Applicant: HONG, et		
Appln. No.: Div. of 09/157,397		
Filing Date: 2-23-00		
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VR	Sanger et al., "DNA sequencing with chain-terminating inhibitors", Biochemistry: Proc. Natl. Acad. Sci. USA 74, No. 12, (1977), pp. 5463-5467			
WR	Shengyu et al., "Heat-stable DNA Polymerase I Large Fragment Resolves Hairpin Structure in DNA Sequencing, Scientia Sinica (Series B), Vol. XXX, No. 5, May 1987, pp. 503-506			
XR	Okazaki et al., "Enzymatic Synthesis of Deoxyribonucleic Acid", The Journal of Biological Chemistry, Vol. 239, No. 1, Jan. 1964, pp. 259-268			
ABR	Kaboev, et al., "Purification and Properties of Deoxyribonucleic Acid Polymerase from Bacillus stearothermophilus", Journal of Bacteriology, Vol. 145, No. 1, Jan. 1981, pp. 21-26			
ACR	Catalogue of Bacteria and Phages, American Type Culture Collection, Eighteenth edition, 1992, p.51			
ADR	Riggs et al., "Construction of single amino acid substitution mutants of cloned Bacillus stearothermophilus DNA polymerase I which lacks 5'-3' exonuclease activity", Biochimica et Biophysica Acta 1307 (1996), pp. 178-186			

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WR	Aliotta et al., "Thermostable Bst DNA polymerase I lacks a 3'-5' proofreading exonuclease activity", Genetic Analysis Biomolecular Engineering, 12 (1996), pp. 185-195			
XR	John Wiley & Sons, Inc., Current Protocols In Molecular Biology, DNA Sequencing, Vol. 1, (1994), 7.4.17-7.4.24.			
YR	Earley, et al., "Robotic Automation of Dideoxyribonucleotide Sequencing Reactions", Research Reports, BioTechniques, Vol. 17, No. 1 (1994) 156-165.			
ABR	Mardis et al., "Automated Methods for Single-Stranded DNA Isolation and Dideoxynucleotide DNA Sequencing Reactions on a Robotic Workstation", Research Report, BioTechniques, Vol. 7, No. 8 (1989) pp. 840-850.			
ACR	BIO RAD, US Bulletin 1649, Pre-mixed Nucleotide Sequencing Kits for Bst® DNA Polymerase, 1996, p.176-178			
ADR	Carroll et al., "A Mutant of DNA Polymerase I (Klenau Fragment) with Reduced Fidelity", Biochemistry, Vol. 30, No. 3, 1991, pp. 804-813.			

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WR	BIO RAD, U.S Bulletin 1771, Fluorescent-labeled DNA Sequencing Reactions Using Bst Polymerase 1996, pp. 1-4				
XR	PROMEGA TECHNICAL BULLETIN, "SEQUENCE OF pGEM3z(+) VECTOR", Revised 2/95, pp.5-6				
YR	Chisoe, "Strategies for Rapid and Accurate DNA Sequencing", Methods: A Companion to Methods in Enzymology, Vol. 3, No. 1, (August, 1991) pp. 55-65.				
ABR	Kunkel, "Rapid and Efficient Site-Specific Mutagenesis without Phenotypic selection", Methods in Enzym., Vol. 154 (1987), pp. 367-383.				
ACR					
ADR					

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